

# CROSS TALK

Edition 93 - April 2002



**PROACT**

A Base-level Pollution Prevention Resource sponsored by HQ Air Force Center for Environmental Excellence



## Congratulations! Idaho National Guard

The Idaho (Air and Army) National Guard was presented the Idaho GEMStars award by Governor Dirk Kempthorne. The GEMStars program promotes and recognizes implementation of pollution prevention efforts throughout the state. The Idaho National Guard is only one of eight organizations to be recognized by the program as achieving Initial Tier status. Senior Master Sergeant (SMSgt) Phil Jones, Environmental Protections Specialist, stated the award is a major accomplishment for the Idaho National Guard, recognizing the dedication, proactive approach, and environmental awareness of personnel.



L-R: Governor Kempthorne, 1<sup>st</sup> Lt Williams, SMSgt Jones, Col Stevenson, and Brig Gen Saylor

The award, which recognized the Idaho National Guard for environmental excellence in pollution prevention, is a result of cooperative efforts of the Air and Army Guard in waste reduction, energy conservation and pollution prevention. The pollution prevention measures implemented by the Idaho National Guard have resulted in more than two million pounds of solid waste being diverted from landfill disposal since 1994, bringing forth an annual savings of an estimated \$50,000. Another important implementation is the purchasing of environmentally safe products and equipment designed to reduce or eliminate the amount of hazardous waste generated. For additional information contact SMSgt Phil Jones at DSN 422-5849, or [philip.jones@idbois.ang.af.mil](mailto:philip.jones@idbois.ang.af.mil). (Adapted from Idaho GEMStars Newsletter in coordination with SMSgt Jones)

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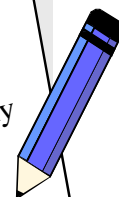
## Mailing List

Are you receiving more than one copy of our monthly mailings? We ask for your assistance in our effort to "clean up" our mailing list and eliminate waste. Please, contact us to verify your mailing address at DSN 240-4240 or by e-mail at [pro-act@brooks.af.mil](mailto:pro-act@brooks.af.mil).

### In Our Customer's Own Words . . .

"When you are only one deep,  
PROACT is like having an  
office full of people."

MSgt Andy Harper  
52 CES/CEVP  
Spangdahlem AB, Germany



## Conference Corner

### Coastal Water Resources

The 2002 American Water Resources Association (AWRA) Spring Specialty Conference, "Coastal Water Resources" will be held 13-15 May 2002 at the Sheraton New Orleans in Louisiana. The conference provides a forum for engineers, scientists, and managers in coastal disciplines to discuss the major issues affecting U.S. shorelines. Conference objectives include opportunities to explore new solutions and technologies, and discuss mutual issues and concerns, such as wetland conservation. Access the conference website at <http://www.awra.org/meetings/Louisiana2002/>.

### Energy 2002 Workshop

Energy 2002, "An Energy Efficiency Workshop and Exposition" will be held at the Palm Springs Convention Center, 2-5 June 2002 in Palm Springs, California. The event is sponsored by the Department of Energy and is co-sponsored by the DoD and the General Services Administration. The conference will offer presentations on a wide range of energy topics, workshops and technical sessions. Learn more and find registration information at <http://www.energy2002.ee.doe.gov/generalinfo.htm>.

### AWMA Conference

The Air and Waste Management Association's (AWMA) 95th Annual Conference and Exhibition will be held 23-27 June 2002, in Baltimore, Maryland. The conference provides a forum for education and cross-feed among private industry, environmental pollution control officials, and federal agencies covering pollution prevention and control technology. For more information, access <http://www.awma.org>.

## CrossTalk

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Contents of CrossTalk are not necessarily the official views of, or endorsed by, the U.S. Government, the Department of Defense or the Department of the Air Force. Reference to any commercial product or company does not imply endorsement by the government or any of its agencies.

Readers may submit articles or photographs for publication. Material will be edited, however, to conform to PROACT and Air Force guidelines.

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## ECAMP BMP Update

*The Air Force Environmental Compliance Assessment and Management Program (ECAMP) is a tool designed to assist Air Force installations and organizations as they assess their compliance with various federal, state, local, and Air Force environmental requirements. Aside from noting potential program non-compliances, ECAMP reports also identify positive findings or Best Management Practices (BMPs) that demonstrate a standard of excellence or an achievement considered best-in-class. The ECAMP Final Report for Peoria, Illinois, Air National Guard contained several positive findings, or BMPs, two of which is highlighted here from the Environmental Management protocol and the Other protocol.*

### Illinois Air National Guard Greater Peoria Airport

#### Development and Use of Base Intranet/Internet Sites

The Illinois Air National Guard (ANG) developed a base Intranet site for use by all environmental programs at the installation. The site keeps base personnel up-dated on changing regulations, by providing links to Air Force Instructions (AFIs) and Air National Guard (ANG) Standard Operating Procedures (SOPs). The site also includes comprehensive waste inventories for each shop, necessary compliance forms, disposal and handling procedures, and a list of free-issue hazardous materials. All matters relating to solid and hazardous waste are addressed on the website, including explanations of commonly used terms, forms, satellite accumulation point checklists, hazardous waste turn-in procedures, and labeling information. The site contains information on affirmative procurement and the installation's recycling programs, such as type of materials collected and location of collection points. Also contained on the Intranet site are environmental fact sheets, the minutes of each Environmental Protection Committee meeting, the installation's environmental plans, links to the General Services Administration (GSA) site, and Federal and State Environmental Protection Agency (EPA) sites.

Information on the Illinois - Department of Defense (DoD) Pollution Prevention (P2) Partnership is published on the web site. The

base is an active member of the P2 partnership, and the intranet includes links to the base annual report, pollution prevention assessments, management action plans, and even awards that the Peoria Air Guard received from the partnership. Air National Guard Environmental, Safety and Occupational Health Compliance Assessment and Management Program (ESOH CAMP) checklists and protocols are also available through the Intranet site, as well as BMPs to give shop personnel ideas on how they may improve their operations.

This Intranet site is one of the most complete sources available to provide environmental and pollution prevention information to installation personnel that has been observed by ECAMP inspectors to date, and should be used as an example for other ANG and active Air Force bases. Another important function of the Intranet has been the addition of an environmental stewardship page on the Peoria Air Guard public website that can be accessed by anyone in the surrounding communities. It allows citizens to access information on the Base's Installation Restoration Program (IRP) via the publication of an IRP Fact Sheet. For further information on the Peoria ANG's Intranet and Internet sites, contact Major Roxanne Lastoria, Environmental Manager, 182 AW/EM, DSN 724-5277.

## **Illinois ANG BMP Continued...**

### **Standard Operating Procedure for Mutual Aid Fire Response**

The 182<sup>nd</sup> Fire Department developed a standard operating procedure (SOP) with surrounding community mutual aid fire departments in order to streamline response to airport emergencies. The SOP was distributed to all member fire departments and uses brief codes to limit communications in emergency situations; the fire department can request one or all fire departments that are designated in the SOP. The series of codes tell the other fire departments the type of aircraft involved, the staging area, the type and number of support equipment, and people being requested. By using codes, one call is made to the county emergency 9-1-1 dispatcher, and once “toned-out” the responding departments use the SOP to quickly determine the type and amount of equipment needed for an emergency at the airport. The SOP also assists them in deciding whether to stand-by, to

assist if needed, or respond and provide immediate aid.

Memorandums of agreements and mutual aid agreements that specify responsibility for emergency response are widely utilized throughout the surrounding fire departments. The chiefs of each member fire department meet on a regular basis to discuss items such as new equipment, to update response activities, and to brainstorm over future response actions. Since each chief is familiar with each department’s equipment, special training, and capabilities, the meetings facilitate easier coordination and implementation in mutual aid responses.

For more detailed information or a copy of the SOP, contact Chief Larry W. Gilmore, Peoria ANG Fire Department, DSN 724-5130.

## **Regulatory Alert!**

### **Protection of Stratospheric Ozone**

An Air Force Base, requested PROACT share findings from a recent Environmental Compliance Assessment and Management Program (ECAMP) inspection to increase awareness of reporting and record keeping requirements set forth in Title 40 Code of Federal Regulations (CFR), Part 82, Subpart F, “Protection of Stratospheric Ozone.” The ECAMP inspection and subsequent surveys of contractor Civil Engineering operations, industrial equipment maintenance shops, commissary (commercial refrigeration), aerospace ground equipment (AGE), and aircraft cooling systems identified a lack of knowledge and non-compliance with Title 40 CFR Part 82, Subpart F.

Title 40 CFR Part 82 establishes requirements for the handling, recycling, and disposal of appliances










and/or refrigerant contained therein. Appliance owners and operators are required to maintain records for appliances that normally contain 50 pounds of refrigerant or more, and facilities are required to keep a full inventory of their equipment containing ozone depleting substances. Records must note the date of acquisition and manufacture, service records identifying dates and maintenance procedures completed, and quantity and type of refrigerant added. In addition, Title 40 CFR Part 82 specifies processes for isolating, recovering, or evacuating leaking materials, and requires servicing technicians be certified. Leaks in equipment must be reported to the EPA and repaired within thirty days, or a full justification must be submitted to extend that time frame. Recordkeeping for a leak in equipment will include leak calculations, follow-up tests, and repair verification tests. All records must be retained for a minimum of three years. For support in complying with Clean Air Act requirements contact PROACT at DSN 240-4214.

## Paper Procurement

Executive Order (EO) 13101 "Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition," 14 September 1998, requires Federal agency's to purchase items that meet or exceed standards established by the Environmental Protection Agency (EPA). The EPA designates products in the Comprehensive Procurement Guideline (CPG) and once a product is designated, these items must be purchased with the highest recycled content available. Growing concern that some facilities may not be purchasing recycled paper in accordance with affirmative procurement guidelines has prompted review of Federal purchasing requirements.

The requirement for purchasing recycled paper is specifically outlined in EO 13101, Section 505, "Minimum Content Standard for Printing and Writing Paper," which requires all paper purchased by Federal agencies to have a content of 30% post consumer recycled material. The percentages and requirements of this EO were effective 1 January 1999, and full compliance should now be the standard practice at all facilities.

Federal program purchasers should review the following World Wide Web (WWW) sites for guidance in selecting environmentally preferable products:

-  EPA Comprehensive Procurement Guidelines, <http://www.epa.gov/cpg/about.htm>;
-  EPA Environmentally Preferable Purchasing, <http://www.epa.gov/oppt/epp/>;
-  Office of the Federal Environmental Executive, Recycled Content, <http://www.ofee.gov/>;
-  General Services Administration, Environmental Products and Services Guide in Portable Document Format (pdf), [http://www.gsa.gov/attachments/GSA\\_PUBLICATIONS/pub/EPSP2001.pdf](http://www.gsa.gov/attachments/GSA_PUBLICATIONS/pub/EPSP2001.pdf);
-  Defensive Logistics Agency, Environmental Product Guide (EPRO), <http://www.epro.dlis.dla.mil/>;
-  Air Force Affirmative Procurement Program, <http://www.afcee.brooks.af.mil/eq/ap/gg/default.asp>;
-  Conservatree, recycled paper supplier's listing, <http://www.conservatree.com/paper/PaperGuide.shtml>;
-  Recycled Paper Coalition, recycled paper manufacturer's listing, <http://www.papercoalition.org/links.html#PAPER%20MANUFACTURERS>;
-  Centers for A New American Dream, Procurement Strategies <http://www.newdream.org/procure/>.

Additional information regarding Federal requirements of an affirmative procurement program may be obtained by viewing the PROACT fact sheet at <http://www.afcee.brooks.af.mil/pro-act/fact/july99a.asp>, by contacting PROACT at DSN 240-4214, or by contacting Ms. Karen Kivela, Environmental Quality Directorate, Headquarters Air Force Center for Environmental Excellence (HQ AFCEE/EQ) at [karen.kivela@brooks.af.mil](mailto:karen.kivela@brooks.af.mil).





## New Tools and Guidance

### HMIRS

The Hazardous Materials Information System (HMIS), a database maintained by the Defense Logistics Information Service (DLIS/DLA), is changing its name to the Hazardous Materials Information Resource System (HMIRS). HMIRS will continue to be a repository for Material Safety Data Sheets (MSDSs). In the redesigned system, the manufacturer, Department of Defense, and other Federal agency users will be able to submit an MSDS electronically. The MSDS Submission Web Page will accept scanned images, text documents, and Extensible Markup Language (XML) documents.

The new HMIRS application will be available on-line or as a quarterly publication. On-line users must complete a short registration to utilize HMIRS — available to all government personnel and government contractors, but not available for public access. HMIRS is scheduled for launch in early May 2002, but until completed, HMIS will remain available at <http://www.dlis.dla.mil/hmis/>. For more information on HMIRS, contact Ms. Anna Willis, Air Force focal point for HMIRS, at [anna.willis@brooks.af.mil](mailto:anna.willis@brooks.af.mil).



### RCRA Corrective Action

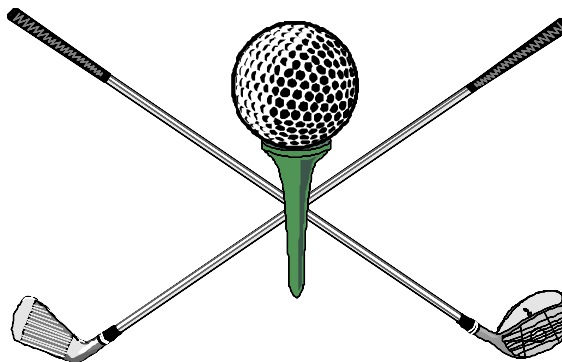
There is a new tool for navigating corrective actions taken under the Resource Conservation and Recovery Act (RCRA). Corrective Action Programs require facilities governed by RCRA to monitor their impact on the environment, and take corrective action when hazardous waste or materials come in contact with soil, groundwater, surface water, or air, whether through routine activities or accidental release. The EPA's "Handbook of Groundwater Protection and Cleanup Policies for RCRA Corrective Action" serves as a guide to meet Federal requirements,

and is designed to be viewed as an electronic resource that is self-guiding, easy to navigate, and links to helpful web resources at the EPA. Access the guide at <http://www.epa.gov/correctiveaction>.

### GEM Program

AFCEE and Air Force Services have coordinated to launch the Air Force Golf Course Environmental Management (GEM) program. The program will facilitate "green" management of the approximately 80 golf courses operated by the Air Force (AF). The GEM program addresses water conservation, chemical applications, loss of natural areas, and other environmental concerns in order to comply and implement AF environmental regulations. The program seeks to educate golfers, to ensure a future commitment to AF goals, and to emphasize that environmental management extends to all AF activities.

Information on this program is available at <http://www.hqafcee.brooks.af.mil/ec/golf/default.asp>. The site offers a brief history of golf, the environmental problems associated with the game, public perceptions, possible solutions, and policy guidance from the Federal government, Department of Defense, and Air Force. The website will be a golf course manager's quick-reference guide to policy changes, products, and services. The site also features a special web—"Fore!!M," as a place for managers, golfers, environmental specialists, or other site users to post discussion items on topics related to GEM. For more information, contact Mr. Bill Bushman, Environmental Conservation and Planning Directorate, HQ AFCEE/EC, DSN 240-3719.



## Technical Inquiry Roundup

### TI 23227 – Battery Rack Secondary Containment

*By Richard C. Howell, Jr.*

A customer requested information regarding Air Force requirements for secondary containment of valve-regulated lead-acid (VRLA) batteries.

PROACT contacted Mr. Thomas White, Electrical Engineer, Headquarters Air Force Civil Engineer Support Agency (HQ AFCESA), DSN 523-6352. Mr. White stated Air Force Pamphlet 32-1186, "Valve-Regulated Lead-Acid Batteries For Stationary Applications," provides guidance on VRLA batteries. In reviewing this document, secondary containment is not mentioned as a requirement for this type of battery. Pamphlet 32-1186 is available in electronic format at <http://afpubs.hq.af.mil/pubfiles/af/32/afpam32-1186/afpam32-1186.pdf>.

We also reviewed National Fire Code, NFPA 70B, "Recommended Practice for Electrical Maintenance," Chapter 6-8, "Auxiliary Equipment," Subchapter 6-8.4, "Stationary Batteries and Battery Chargers." This document provides the same basic guidance on VRLA batteries as Air Force Pamphlet 32-1186, and does not mention or require secondary containment for VRLA batteries.

### TI 23234 – Finalized EPA Rule on PCB

*By Pamela J. Jernigan*

PROACT responded to a request for information concerning polychlorinated biphenyl (PCB) waste. Specifically, the customer wanted to know if the proposed ruling of 1 November 2000 regarding the return of PCB waste from United States territories outside the customs territory of the United States has been finalized.

We searched the Environmental Protection Agency world wide web site at <http://www.epa.gov/oppt/pcb> and located Federal Register, Volume 66, Number 62, "40 CFR Part 761, Polychlorinated Biphenyls (PCBs); Return of PCB Waste from U.S. Territories Outside the Customs Territory of the United States; Final Rule," March 30, 2001, which states this proposed ruling became final on 30 March 2001.

[epa.gov/oppt/pcb](http://www.epa.gov/oppt/pcb) and located Federal Register, Volume 66, Number 62, "40 CFR Part 761, Polychlorinated Biphenyls (PCBs); Return of PCB Waste from U.S. Territories Outside the Customs Territory of the United States; Final Rule," March 30, 2001, which states this proposed ruling became final on 30 March 2001.

### TI 23251 – Propylene Glycol Reporting

*By Pilar Castaneda*

A customer wanted to know if there is a requirement to report air emissions from propylene glycol during aircraft deicing procedures.

PROACT reviewed Title 40 Code of Federal Regulations (CFR) Part 61, "National Emission Standards for Hazardous Air Pollutants," which does not list propylene glycol as a hazardous air pollutant (HAP). We then reviewed the Clean Air Act, (CAA), Section 112, "National Emission Standards for Hazardous Air Pollutants," which also does not list propylene glycol as a HAP.

We next contacted Mr. Bob Blaszczyk, Clean Air Technical Center, Office of Air Quality Planning and Standards, United States Environmental Protection Agency, (919) 564-2759, who stated due to the fact that propylene glycol is not listed as a HAP in accordance with Title 40 CFR 61.1 and the CAA, Section 112, there are no air emission reporting requirements for propylene glycol.

We then contacted Mr. Bill Moritz, Environmental Quality Directorate, Headquarters Air Force Center for Environmental Excellence (HQ AFCEE/EQT), DSN 240-4189, who stated there are no Air Force air emission reporting requirements for propylene glycol. He then directed us to Major Janet Howard, Air Force Institute for Environmental, Safety and Occupational Health (ESOH), Air Quality Branch Chief, (AFIERA/RSEA), DSN 536-4991, who stated there are no Air Force air emission reporting requirements for propylene glycol.

## Notices

### MEEP

The latest Management and Equipment Evaluation Program (MEEP) Consolidated Status Report and Briefing Slides are now on the Air Force Installations and Logistics Transportation (ILT) website at <http://www.il.hq.af.mil/ilt/iltv.html>. ILT plans to upgrade their site with photographs and product evaluations, and a navigational redesign for the "status report" section.

### Re-refined Oil Vendors

The Office of the Federal Environmental Executive has updated their list of vendors offering re-refined oil at <http://www.ofee.gov/recycled/refined.htm>. For additional information on re-refined oil review "Re-Refined Oil Resources," CrossTalk Edition 88, November 2001 at <http://www.hqafcee.brooks.af.mil/pro-act/cross/ed88.pdf>.



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